

Condensing unit Technical Data

Model **ECGL80AN** Code **ECGL20108002**

LBP

General Data

Refrigerant:	R134a
Application:	LBP
Evaporating Temperature Range:	-30°C to -10°C
Voltage/Frequency:	200-220V/220-230 50/60Hz
Cooling:	FAN
Packaging Quantity:	Multi 21 pcs
Approvals:	CE-VDE 
Max. Ambient Temperature:	43/50 C°
Max. Allowed Pressure:	20 Kg/cm ²
Max. Peak Discharge Temperature:	135 C°
Max. Peak Condensing Temperature:	70 C°

Mechanical Data

Oil Charge:	445 cm ³
Oil Type Configuration:	ester
Oil Type Viscosity:	19 cSt
Weight:	16.1 kg

External Characteristics

Internal Diameter	mm / inch
Suction Connector	6.5
Discharge Connector	5/16
Process Connector	6.5
Material	Copper

Condenser Data

Condenser Type:	CU - AL
Condenser Model:	8 T 3 R
Fan Motor Output Power:	10 W
Fan Blade Diameter:	200mm/28°

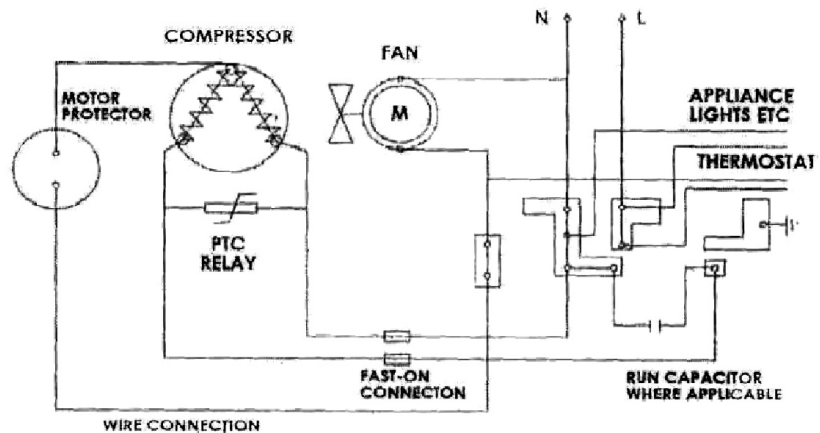
Electrical Components

Component Type	
Starting Device:	PTC 14Ω
Motor Protection:	T0683/xx
Start Capacitor	
Run Capacitor	

Electrical Data

Motor Type:	RSIR
Voltage working range at 50/60 Hz:	170-242V /187-253V
Maximum Motor Temperature:	130°C
Locked Rotor Current 50 Hz:	18 / 12.7 A
Locked Rotor Current 60 Hz:	15.8 / 11.7 A
Start Winding Resistance:	11.00 Ω at 25°C
Run Winding Resistance:	6.15 Ω at 25°C
Phase :	1 ph

Electrical Diagram:



MCMC compressors reserves the right to change the data without prior notice

10th of Ramadan City - (Cairo) Egypt
 Industrial Zone A-2
 P.o Box : 1001 (10th of Ramadan)
 Tel. : 0554 - 413322 (10 lines)
 Fax. : 0554 - 413161 - 413029
 Web site : <http://www.zmcegypt.com>

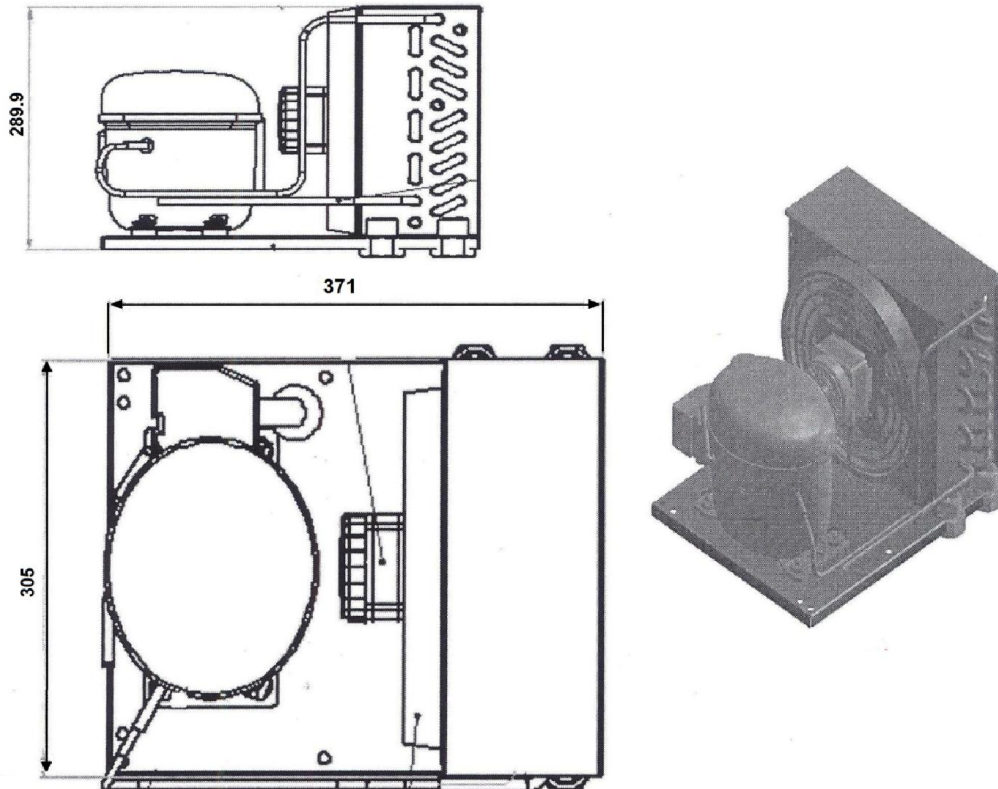


العاشر من رمضان
 المنطقة الصناعية أ - ٢
 ص.ب: ١٠٠١ العاشر من رمضان
 تليفون : ٠٥٥٤ - ٤١٣٣٢٢ (١٠ خطوط)
 فاكس : ٠٥٥٤ - ٤١٣١٦١ - ٤١٣٠٢٩

PERFORMANCE DATA :**1- TEST CONDITIONS:**

	ASHRAE	CECOMAF
Condensing Temperature	55 C°	55 C°
Liquid Temperature	32 C°	55 C°
Gas Return Temperature	32 C°	32 C°
Ambient Temperature	32 C°	32 C°
Voltage/Frequency:	220V/50Hz	220V/50Hz

	<u>At CECOMAF CONDITION</u>	<u>At ASHRAE CONDITION</u>
Evaporating Temperature (C°)	-25	-23.3
Cooling Capacity W	172.2	192.3
Cooling Capacity Kcl/hr	148.41	165.8
EER Kcl/hr		
C.O.P W/W	0.6	0.781
Input Power W	234.4	247
Current A	2.04	2.1

Dimensions:

Test Condition: Ashrae, Static, Return Gas 32°C Subcooling OK, Evaporating: 23.3°C, Condensing: 55°C, Ambient: 32°C

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